STIC Search Report
Biotech-Chem Library

STIC Database Tracking Number: 138289

TO: Andrew D Kosar
Location: rem/3c04/3c18
Art Unit: 1654
Wednesday, December 01, 2004

Case Serial Number: 10/613754

From: Peggy Ruppel
Location: Biotech-Chem Library
REMSEN 1B65
Phone: 571-272-2557

Peggy.Ruppel@uspto.gov

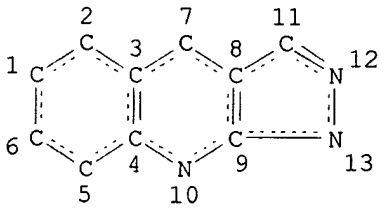
Search Notes

It was simpler for me to bundle the results of the two searches that you submitted for this application together, since the results sets were so small.

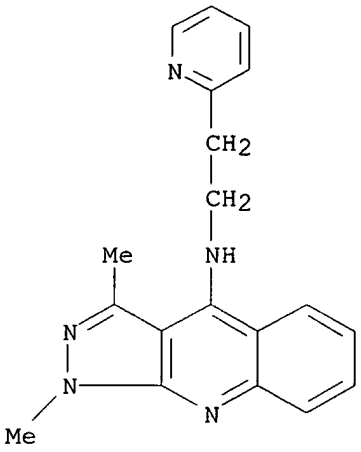
Please contact me if you have any questions or comments.

Thank you for using STIC services.

```
=> b reg
FILE 'REGISTRY' ENTERED AT 15:34:04 ON 01 DEC 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   29 NOV 2004  HIGHEST RN 790629-40-2
DICTIONARY FILE UPDATES:  29 NOV 2004  HIGHEST RN 790629-40-2

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> d que l69
L65                 STR
```

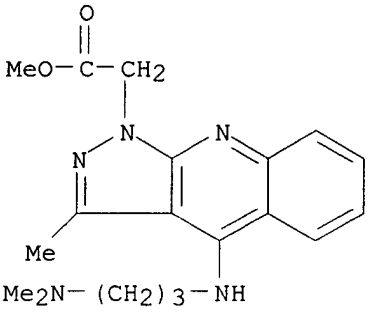



```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  13

STEREO ATTRIBUTES: NONE
L69         2556 SEA FILE=REGISTRY SSS FUL L65


=> d ide l69 1-7

L69  ANSWER 1 OF 2556  REGISTRY  COPYRIGHT 2004 ACS on STN
RN   790602-32-3  REGISTRY
CN   INDEX NAME NOT YET ASSIGNED
MF   C19 H19 N5
CI   COM
SR   CA
```



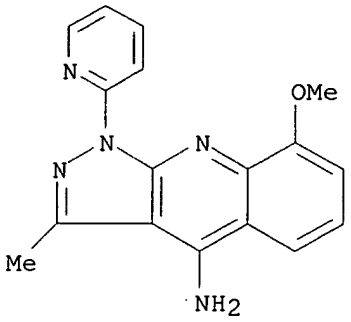
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L69 ANSWER 2 OF 2556 REGISTRY COPYRIGHT 2004 ACS on STN
RN 790151-43-8 REGISTRY
CN 1H-Pyrazolo[3,4-b]quinoline-1-acetic acid, 4-[[3-(dimethylamino)propyl]amino]-3-methyl-, methyl ester (9CI) (CA INDEX NAME)
MF C19 H25 N5 O2
CI COM
SR CA

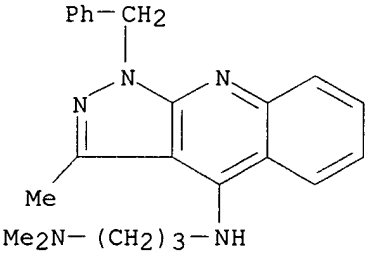


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

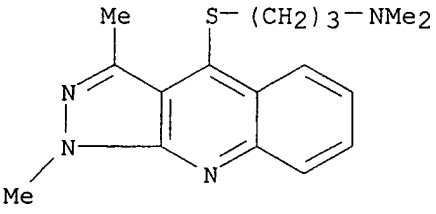
L69 ANSWER 3 OF 2556 REGISTRY COPYRIGHT 2004 ACS on STN
RN 789481-53-4 REGISTRY
CN 1H-Pyrazolo[3,4-b]quinolin-4-amine, 8-methoxy-3-methyl-1-(2-pyridinyl)-(9CI) (CA INDEX NAME)
MF C17 H15 N5 O
CI COM
SR CA



L69 ANSWER 4 OF 2556 REGISTRY COPYRIGHT 2004 ACS on STN
RN 789433-46-1 REGISTRY
CN 1,3-Propanediamine, N,N-dimethyl-N'-[3-methyl-1-(phenylmethyl)-1H-pyrazolo[3,4-b]quinolin-4-yl]- (9CI) (CA INDEX NAME)
MF C23 H27 N5
CI COM
SR CA

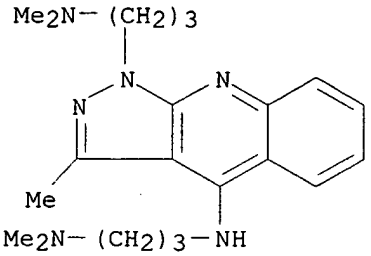


L69 ANSWER 5 OF 2556 REGISTRY COPYRIGHT 2004 ACS on STN
RN 788765-58-2 REGISTRY
CN 1-Propanamine, 3-[(1,3-dimethyl-1H-pyrazolo[3,4-b]quinolin-4-yl)thio]-N,N-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H22 N4 S
CI COM
SR CA

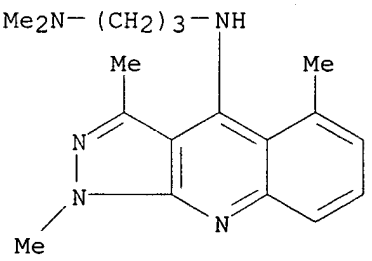


L69 ANSWER 6 OF 2556 REGISTRY COPYRIGHT 2004 ACS on STN
RN 788100-81-2 REGISTRY

CN 1,3-Propanediamine, N'-[1-[3-(dimethylamino)propyl]-3-methyl-1H-pyrazolo[3,4-b]quinolin-4-yl]-N,N-dimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C21 H32 N6
CI COM
SR CA



L69 ANSWER 7 OF 2556 REGISTRY COPYRIGHT 2004 ACS on STN
RN 787492-13-1 REGISTRY
CN 1,3-Propanediamine, N,N-dimethyl-N'-(1,3,5-trimethyl-1H-pyrazolo[3,4-b]quinolin-4-yl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C18 H25 N5
CI COM
SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

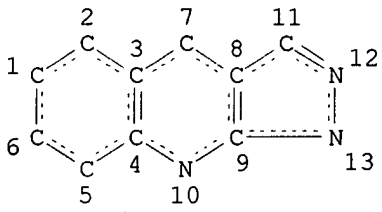
=> b home
FILE 'HOME' ENTERED AT 15:34:36 ON 01 DEC 2004

=>

```
=> b hcaplus
FILE 'HCAPLUS' ENTERED AT 15:51:52 ON 01 DEC 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)
```



```
FILE COVERS 1907 - 1 Dec 2004  VOL 141 ISS 23
FILE LAST UPDATED: 29 Nov 2004  (20041129/ED)

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

=> d que l77
L65                 STR
```




```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  13

STEREO ATTRIBUTES: NONE
L69         2556 SEA FILE=REGISTRY SSS FUL L65
L75         1292 SEA FILE=HCAPLUS ABB=ON  PLU=ON  "ERYTHROPOIETIN RECEPTORS"+OLD
                 /CT OR (EPO(A)RECEPT? OR EPOETIN(2A)RECEPT?)/BI
L76           52 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L69(L)(USES+NT)/RL
L77            1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L76 AND L75


=> d ibib abs hitstr l77

L77  ANSWER 1 OF 1  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:         2004:41501  HCAPLUS
DOCUMENT NUMBER:          140:87744
TITLE:                    Affinity small molecules for the EPO
```

receptor

INVENTOR(S): Olsson, Lennart; Naranda, Tatjana
PATENT ASSIGNEE(S): Receptron, Inc., USA
SOURCE: PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

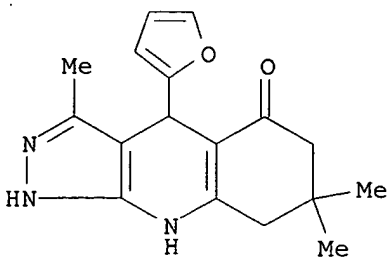
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004005323	A2	20040115	WO 2003-US21394	20030703
WO 2004005323	A3	20040701		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2004171541	A1	20040902	US 2003-613754	20030702
US 2004116346	A1	20040617	US 2003-612885	20030703
PRIORITY APPLN. INFO.:			US 2002-393360P P	20020703
			US 2002-393361P P	20020703
			US 2002-394110P P	20020703

OTHER SOURCE(S): MARPAT 140:87744

AB Compds. are provided that complex with the modulating domain of erythropoietin **receptor** (**EPO**-R) for use with EPO-R to determine the presence of EPO-R, the ability of other mols. to bind to the modulating domain in competitive assays and to induce a signal by EPO-R into a cell when bound by the subject compds. in a physiol. environment. The compds. are characterized by having a six-membered heterocyclic ring comprising at least one nitrogen atom and include substituted triazolopyrimidine, pyridazinone, pyridine and piperidine.

IT **645337-25-3**
RL: BSU (Biological study, unclassified); **BUU (Biological use, unclassified)**; PAC (Pharmacological activity); **THU (Therapeutic use)**; BIOL (Biological study); **USES (Uses)**
(affinity small mols. for erythropoietin (**EPO**) **receptor** and **EPO receptor** modulating sequence in relation to modulating the response to the stimulus of hematopoietic or neuronal cells and treatment of anemia)

RN 645337-25-3 HCAPLUS
CN 5H-Pyrazolo[3,4-b]quinolin-5-one, 4-(2-furanyl)-1,4,6,7,8,9-hexahydro-3,7,7-trimethyl- (9CI) (CA INDEX NAME)



=> b home
FILE 'HOME' ENTERED AT 15:52:25 ON 01 DEC 2004

=>

=> b reg
FILE 'REGISTRY' ENTERED AT 15:35:00 ON 01 DEC 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 NOV 2004 HIGHEST RN 790629-40-2
DICTIONARY FILE UPDATES: 29 NOV 2004 HIGHEST RN 790629-40-2

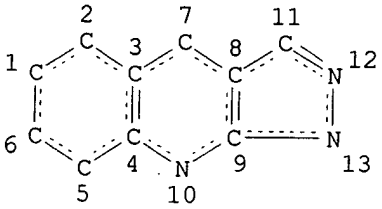
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

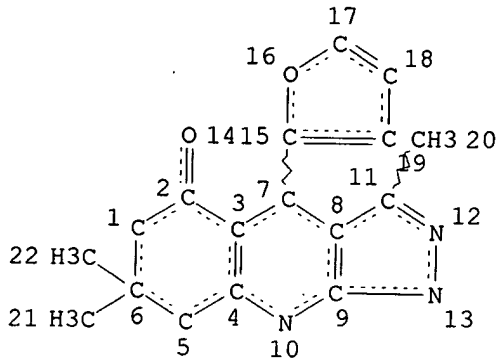
=> d que l71
L65 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L67 STR



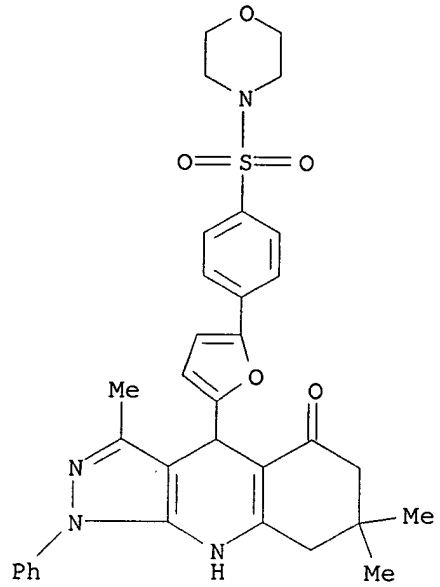
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE
L69 2556 SEA FILE=REGISTRY SSS FUL L65
L71 8 SEA FILE=REGISTRY SUB=L69 SSS FUL L67

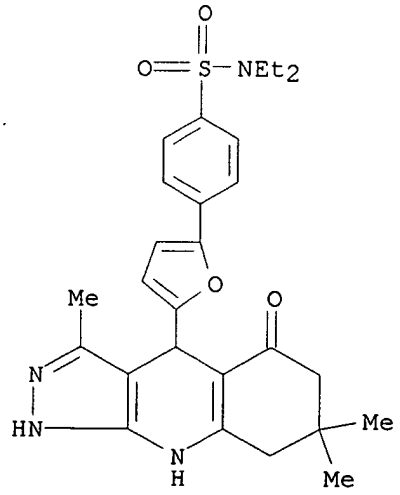
=> d ide l71 1-8

L71 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN 748146-78-3 REGISTRY
CN INDEX NAME NOT YET ASSIGNED
FS 3D CONCORD
MF C33 H34 N4 O5 S
SR Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

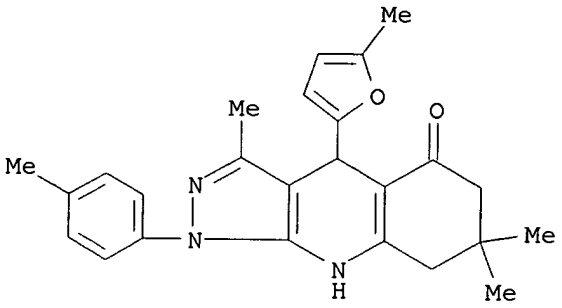
L71 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN 748146-41-0 REGISTRY
CN INDEX NAME NOT YET ASSIGNED
FS 3D CONCORD
MF C27 H32 N4 O4 S
SR Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

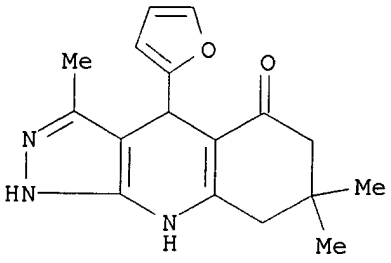
Searched by P. Ruppel

L71 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN 748145-15-5 REGISTRY
CN INDEX NAME NOT YET ASSIGNED
FS 3D CONCORD
MF C25 H27 N3 O2
SR Chemical Library



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L71 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN 645337-25-3 REGISTRY
CN 5H-Pyrazolo[3,4-b]quinolin-5-one, 4-(2-furanyl)-1,4,6,7,8,9-hexahydro-3,7,7-trimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H19 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

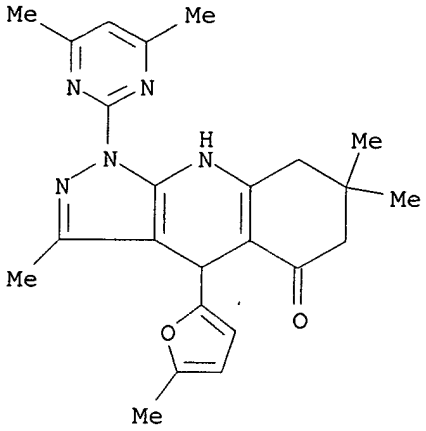


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

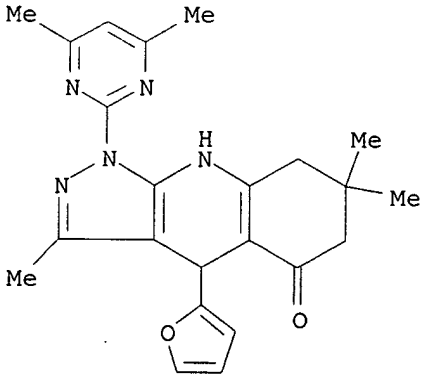
L71 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN 521318-71-8 REGISTRY
CN 5H-Pyrazolo[3,4-b]quinolin-5-one, 1-(4,6-dimethyl-2-pyrimidinyl)-

1,4,6,7,8,9-hexahydro-3,7,7-trimethyl-4-(5-methyl-2-furanyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H27 N5 O2
SR Chemical Library
LC STN Files: CHEMCATS



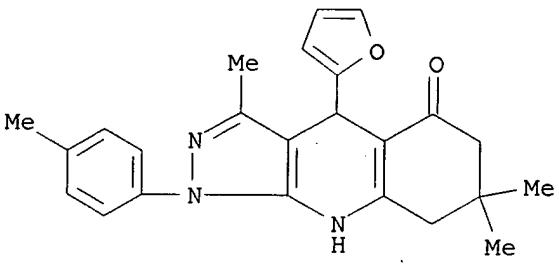
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L71 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN 521284-01-5 REGISTRY
CN 5H-Pyrazolo[3,4-b]quinolin-5-one, 1-(4,6-dimethyl-2-pyrimidinyl)-4-(2-furanyl)-1,4,6,7,8,9-hexahydro-3,7,7-trimethyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C23 H25 N5 O2
SR Chemical Library
LC STN Files: CHEMCATS

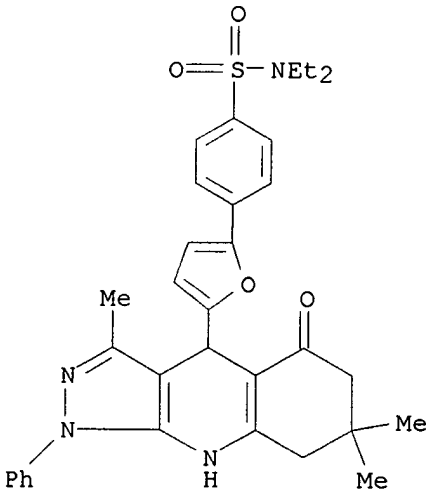


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L71 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN 380450-98-6 REGISTRY
CN 5H-Pyrazolo[3,4-b]quinolin-5-one, 4-(2-furanyl)-1,4,6,7,8,9-hexahydro-3,7,7-trimethyl-1-(4-methylphenyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C24 H25 N3 O2
SR Chemical Library
LC STN Files: CHEMCATS



L71 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN 378189-53-8 REGISTRY
CN Benzenesulfonamide, N,N-diethyl-4-[5-(4,5,6,7,8,9-hexahydro-3,7,7-trimethyl-5-oxo-1-phenyl-1H-pyrazolo[3,4-b]quinolin-4-yl)-2-furanyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C33 H36 N4 O4 S
SR Chemical Library
LC STN Files: CHEMCATS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> b home

FILE 'HOME' ENTERED AT 15:36:03 ON 01 DEC 2004

=>

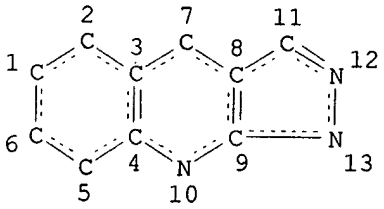
=> b hcaplus
FILE 'HCAPLUS' ENTERED AT 15:39:03 ON 01 DEC 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 1 Dec 2004 VOL 141 ISS 23
FILE LAST UPDATED: 29 Nov 2004 (20041129/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'HCAPLUS' FILE

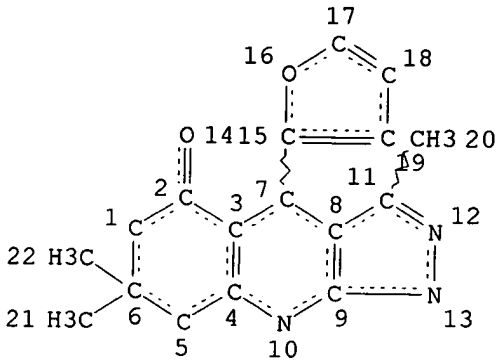
=> d que l72
L65 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 13

STEREO ATTRIBUTES: NONE
L67 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE
L69 2556 SEA FILE=REGISTRY SSS FUL L65
L71 8 SEA FILE=REGISTRY SUB=L69 SSS FUL L67
L72 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L71

=> d ibib abs hitstr 172

L72 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2004:41501 HCAPLUS
DOCUMENT NUMBER: 140:87744
TITLE: Affinity small molecules for the EPO receptor
INVENTOR(S): Olsson, Lennart; Naranda, Tatjana
PATENT ASSIGNEE(S): Receptron, Inc., USA
SOURCE: PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004005323	A2	20040115	WO 2003-US21394	20030703
WO 2004005323	A3	20040701		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,

BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2004171541	A1	20040902	US 2003-613754	20030702
US 2004116346	A1	20040617	US 2003-612885	20030703
PRIORITY APPLN. INFO.:			US 2002-393360P	P 20020703
			US 2002-393361P	P 20020703
			US 2002-394110P	P 20020703

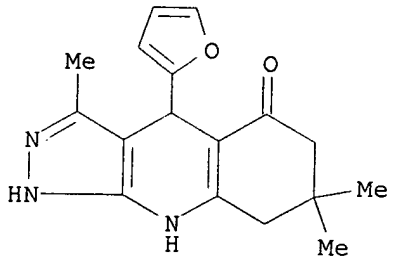
OTHER SOURCE(S): MARPAT 140:87744

AB Compds. are provided that complex with the modulating domain of erythropoietin receptor (EPO-R) for use with EPO-R to determine the presence of EPO-R, the ability of other mols. to bind to the modulating domain in competitive assays and to induce a signal by EPO-R into a cell when bound by the subject compds. in a physiol. environment. The compds. are characterized by having a six-membered heterocyclic ring comprising at least one nitrogen atom and include substituted triazolopyrimidine, pyridazinone, pyridine and piperidine.

IT **645337-25-3**
RL: BSU (Biological study, unclassified); BUU (Biological use, unclassified); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(affinity small mols. for erythropoietin (EPO) receptor and EPO receptor modulating sequence in relation to modulating the response to the stimulus of hematopoietic or neuronal cells and treatment of anemia)

RN 645337-25-3 HCAPLUS

CN 5H-Pyrazolo[3,4-b]quinolin-5-one, 4-(2-furanyl)-1,4,6,7,8,9-hexahydro-3,7,7-trimethyl- (9CI) (CA INDEX NAME)



=> b home
FILE 'HOME' ENTERED AT 15:39:21 ON 01 DEC 2004

=>